

## FUND 120 E-911

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### ***Board of Supervisors' Adjustments***

***The following funding adjustments reflect all changes to the FY 2004 Advertised Budget Plan, as approved by the Board of Supervisors on April 28, 2003:***

- ◆ A decrease of \$56,556 in Personnel Services reflects reduced funding for the FY 2004 Market Index for employees on the public safety pay scales (C, F, O, and P) reducing the scale from 2.56 percent to 2.10 percent.
- ◆ An increase of \$1,897,187 in revenue reflects the increase in the E-911 tax rate to \$2.50 per line per month. This revenue increase is based upon revised E-911 fee estimates utilizing the E-911 tax rate increase and an implementation date of September 1, 2003 due to notification requirements mandated by State code.
- ◆ A decrease of \$1,953,743 in the General Fund Transfer reflects the decrease in expenditures and the increase in revenues available to offset increased General Fund requirements.
- ◆ As part of the FY 2005 Budget Guidelines approved by the Board of Supervisors on April 28, 2003, staff has been directed to undertake a comprehensive review of public safety salaries. In addition to comparing Fairfax County compensation with surrounding jurisdictions, staff should explore the issue of Holiday Pay. The review and recommendations should be provided to the Board of Supervisors to be considered as part of the FY 2005 Advertised Budget.

***The following funding adjustments reflect all approved changes to the FY 2003 Revised Budget Plan from January 1, 2003 through April 21, 2003. Included are all adjustments made as part of the FY 2003 Third Quarter Review:***

- ◆ A decrease of \$183,269 in Operating Expenses primarily due to savings achieved in telecommunications expenses and software maintenance.
  - ◆ A decrease of \$2,491,273 in revenue primarily due to revised projections in E-911 fee revenue based on FY 2002 actual collections as well as FY 2003 year-to-date receipts. FY 2003 will be the second consecutive year that E-911 fee revenue has declined. Fairfax County has contacted some of its largest providers of E-911 fee revenue regarding this issue. They have indicated that there has been a decrease in the number of access lines within the state of Virginia and the trend within Fairfax County is in line with what is happening statewide. Possible factors associated with this line loss include the loss to other competing services such as wireless and the overall economic downturn.
  - ◆ An increase of \$2,308,004 in the General Fund Transfer which, combined with the decrease in Operating Expenses, will totally offset the decrease in revenue.
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### ***County Executive Proposed FY 2004 Advertised Budget Plan***

#### **Purpose**

This fund accounts for E-911 revenues and expenditures separately as stipulated by Virginia General Assembly legislation approved in 2000. Prior to FY 2001, E-911 fees were reflected in the General Fund and Fund 104, Information Technology. Fund 120, E-911, recognizes revenue from estimated E-911 fees and Commonwealth reimbursement associated with Wireless E-911. All expenditures allowable by law directly associated with the Public Safety Communications Center (PSCC) are billed directly to this fund. Information technology projects (IT Projects) associated with the PSCC are also budgeted in this fund. A General Fund Transfer supports any difference between revenues and expenditures.

Expenditure requirements within this fund continue to increase and outpace E-911 revenue growth, therefore increasing the reliance upon General Fund support to fund critical public safety communications operations. FY 2004 Personnel Services expenditure requirements reflect the continued dependence upon overtime expenditures to offset the large vacancy and turnover rates that have plagued the PSCC the last several years. The retention issue continues to be a focal point in the management of the PSCC, and to help alleviate the problem, off-duty Police and Fire and Rescue staff have been trained to perform duties (on overtime) within the PSCC to ensure full staffing for daily operations.

FY 2004 Operating Expenses and IT Projects expenditure requirements remain relatively stable, even as projects come to completion. On-going operational funding is often necessary for maintenance and support of these IT Projects systems. Additionally, new projects are required to provide replacement and enhancement of existing systems and equipment. Replacement and enhancement is necessary to maintain performance, availability, reliability, and capacity for growth due to increases in County population and demand for public safety services. FY 2004 IT Projects funding includes funding for the five-year replacement cycles for portable two-way radios (currently in use by the Police Department, Fire and Rescue Department, and the Office of the Sheriff) and mobile computer terminals. The replacement and upgrade of these items is critical to the operation of the Public Safety Communications Network (PSCN) and are on-going projects. FY 2004 IT Projects funding reflects a prioritization of public safety communications needs, and not all of the needs were able to be met due to a lack of available funding resources. Continued future support for the PSCN's component systems and equipment is vital for ensuring immediate and systematic response to emergencies.

The main source of revenue for Fund 120, E-911 is derived from E-911 tax rate receipts, a revenue source that is experiencing declining growth rates. In FY 2002, Fairfax County posted a decrease in actual E-911 fee revenue of 4.9 percent from the previous fiscal year. During the three fiscal years prior to FY 2002, the County experienced increases of 4.7 percent, 3.5 percent, and 4.1 percent, respectively. Current projections for FY 2003 indicate another decrease from FY 2002 actual revenue received. This revised estimate will be reflected in the *FY 2003 Third Quarter Review*.

As a result of staffing requirements to meet the high volume of calls and ongoing technological demands, as well as to account for declining E-911 fee revenue, an increase of \$0.25 per line to the E-911 tax rate, from \$1.75 per line to \$2.00 per line, is recommended and included. This will generate an additional \$2,053,030 in E-911 fee revenue.

#### **FY 2004 Initiatives**

- ♦ FY 2004 funding in the amount of \$26,779,814 has been provided to support the E-911 program. Of this amount, \$7,374,917 is supported by a General Fund Transfer and \$19,404,897 is supported by E-911 fees, wireless reimbursement, and interest income.

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- ◆ The E-911 tax rate is recommended to be increased by \$0.25 per line, from \$1.75 per line to \$2.00 per line. The E-911 tax rate has remained static since FY 1998 when it was raised from \$1.69 per line to the current \$1.75 per line. To fund FY 2004 expenditure requirements without an increase in the General Fund Transfer, a rate of \$2.33 per line would be necessary. The statutory cap on the E-911 tax rate is \$3.00 per line. To fund FY 2004 expenditure requirements without an increase of \$0.25 per line to the E-911 tax rate, a General Fund Transfer of \$9,427,947 would be necessary, an increase of \$2,053,030 over that which is currently included in the FY 2004 Advertised Budget Plan.

### Funding Adjustments

*The following funding adjustments from the FY 2003 Revised Budget Plan are necessary to support the FY 2004 program:*

- ◆ An increase of \$391,271 in Personnel Services associated with salary adjustments necessary to support the County's compensation program.
- ◆ An increase of \$314,748 in Personnel Services based on the FY 2004 Market Index of 2.56 percent is included for employees on the public safety pay scales (C, F, O and P), effective the first full pay period of FY 2004. This increase includes \$51,735 in fringe benefits.
- ◆ An increase of \$70,602 in Personnel Services for the addition of 1/1.0 SYE Management Analyst II to serve as the County's Emergency Medical Dispatch Coordinator within the Public Safety Communications Center. This funding includes \$13,765 in fringe benefits. This position will assume the responsibility of coordination, implementation, and direct oversight of the Emergency Medical Dispatch Program. This program provides a systematic approach to event classification and call screening techniques which focus on identification of patient symptoms, prioritization of medical emergencies, the delivery of pre-arrival instructions to manage the medical emergency, and a quality assurance review process. While the funding associated with this position is located in Fund 120, E-911, the actual location of the position is in the Public Safety Communications Center cost center within the Police Department.
- ◆ An increase of \$330,635 in Operating Expenses primarily due to the Computer Aided Dispatch (CAD) system support requirements and contractual obligations.
- ◆ Funding of \$6,713,741 for IT Project expenses, including \$195,768 to complete the mobile data communications system component of the CAD system, \$2,324,769 for the wireless voice radio project, \$1,738,125 to establish a five-year replacement cycle for the portable two-way radios currently in use by the Police Department, the Fire and Rescue Department, and the Office of the Sheriff, \$2,215,000 to fund the replacement cycle for the mobile computer terminals, \$220,079 for lease payment obligations for the 9-1-1 call-answering system at the Public Safety Communications Center, and \$20,000 for software design applications. Details of specific projects are included on the Project Detail Table that follows.

*The following funding adjustments reflect all approved changes to the FY 2003 Revised Budget Plan since passage of the FY 2003 Adopted Budget Plan. Included are all adjustments made as part of the FY 2002 Carryover Review and all other approved changes through December 31, 2002:*

- ◆ As part of the *FY 2002 Carryover Review*, an increase of \$5,698,799 due to the carryover of unexpended IT Project balances in the amount of \$5,754,608, partially offset by a decrease of \$55,809 in operating expense requirements.

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## FUND STATEMENT

Fund Type G10, Special Revenue Funds

Fund 120, E-911

	FY 2002 Actual	FY 2003 Adopted Budget Plan	FY 2003 Revised Budget Plan	FY 2004 Advertised Budget Plan	FY 2004 Adopted Budget Plan
<b>Beginning Balance</b>	<b>\$7,779,697</b>	<b>\$0</b>	<b>\$5,944,383</b>	<b>\$0</b>	<b>\$0</b>
Revenue:					
E-911 Fees <sup>1</sup>	\$14,134,222	\$16,256,799	\$13,500,000	\$16,424,241	\$18,321,428
State Reimbursement (Wireless E-911)	2,323,572	2,729,562	3,300,214	2,828,666	2,828,666
Interest Income	216,702	387,126	82,000	151,990	151,990
Other Revenue	356,627	245,584	0	0	0
<b>Total Revenue</b>	<b>\$17,031,123</b>	<b>\$19,619,071</b>	<b>\$16,882,214</b>	<b>\$19,404,897</b>	<b>\$21,302,084</b>
Transfer In:					
General Fund (001)	\$5,291,176	\$4,666,094	\$6,974,098	\$7,374,917	\$5,421,174
<b>Total Transfer In</b>	<b>\$5,291,176</b>	<b>\$4,666,094</b>	<b>\$6,974,098</b>	<b>\$7,374,917</b>	<b>\$5,421,174</b>
<b>Total Available</b>	<b>\$30,101,996</b>	<b>\$24,285,165</b>	<b>\$29,800,695</b>	<b>\$26,779,814</b>	<b>\$26,723,258</b>
Expenditures:					
Personnel Services	\$11,200,282	\$11,762,012	\$11,762,012	\$12,538,633	\$12,482,077
Operating Expenses	5,559,467	7,488,614	7,013,536	7,527,440	7,527,440
IT Projects	7,397,864	5,034,539	11,025,147	6,713,741	6,713,741
<b>Total Expenditures</b>	<b>\$24,157,613</b>	<b>\$24,285,165</b>	<b>\$29,800,695</b>	<b>\$26,779,814</b>	<b>\$26,723,258</b>
<b>Total Disbursements</b>	<b>\$24,157,613</b>	<b>\$24,285,165</b>	<b>\$29,800,695</b>	<b>\$26,779,814</b>	<b>\$26,723,258</b>
<b>Ending Balance</b>	<b>\$5,944,383</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<sup>1</sup> FY 2004 Adopted Budget Plan E-911 fee revenues of \$18.3 million reflect an E-911 tax rate increase to \$2.50 per line per month implemented on September 1, 2003.

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IT0001	Public Safety Communications Network/Systems				
Total Project Estimate	Prior Year Expenditures	FY 2002 Expenditures	FY 2003 Revised Budget Plan	FY 2004 Adopted Budget Plan	Future Years
TBD	\$24,521,359	\$7,397,864	\$11,025,147	<b>\$6,713,741</b>	TBD
<p>This project was established in FY 1995 to replace and upgrade the County's critical Public Safety Communications Network (PSCN) and its component systems. The network's component systems are vital for ensuring immediate and systematic response to emergencies, and replacement and enhancement is necessary to maintain performance, availability, reliability, and capacity for growth due to increases in County population and demand for public safety services. The PSCN supports emergency communications of the Police, Fire and Rescue, and Sheriff's departments. This includes public safety call taking (E-911, Cellular 911, non-emergency), dispatching, and all affiliated communications support. Two of the major technologies utilized are a Computer-Aided Dispatch (CAD) system with an integrated mobile data communications component and a wireless digital radio network for voice communications.</p> <p>The CAD system is used to dispatch appropriate equipment and personnel to events and emergencies and to communicate and track up-to-date information in a rapidly changing environment. The mobile data communications component of CAD allows the dispatch of resources with minimal voice communications, provides field units direct access to local, state, and national data bases, and allows continuous contact with the Public Safety Communications Center (PSCC). This project replaces and upgrades CAD and its mobile data communications component originally implemented in 1986. The old systems are technologically obsolete, severely undersized, and at the end of their effective, supportable life cycle. Replacement ensures continued reliable operation of these critical systems, incorporates software, hardware, and user functionality advances made since the 1980's, and allows for future migration in capability as new technologies emerge.</p> <p>Migration to the new digital radio network is necessary to accommodate growing public safety voice communications requirements and to remedy performance, coverage, fragmentation, and reliability problems associated with an aging, technologically obsolete system at the very end of its sustainable life cycle. Deficiencies in the old system severely impeded critical communications and safety in emergency situations. The new trunked wireless digital voice communications system consolidates all County public safety voice communication and is designed to address coverage, reliability, and operational limitations of the old system used by public safety agencies in the County. It provides capacity for growth and enhancement for the next twenty years.</p> <p>FY 2004 funding is included for: the final lease purchase payment and remaining consultant services to complete the mobile data communications system component of the CAD system (\$195,768); the seventh year of a ten-year lease-purchase payment for the wireless voice radio project (\$2,324,769); the first year lease purchase payment obligations of a five-year lease-purchase for the 9-1-1 call-answering system at the PSCC (\$220,079); and to provide capacity for software design applications (\$20,000). Funding is also included to establish a five-year replacement cycle for the portable two-way radios currently in use by the Police Department, the Fire and Rescue Department, and the Office of the Sheriff (\$1,738,125) and to fund the five-year replacement cycle for the mobile computer terminals (\$2,215,000). Both the two-way portable radios and the mobile computer terminals have a useful life of five years. The individual radios and terminals scheduled to be replaced in FY 2004 will be at least five years old. All of these projects are critical to the County's public safety emergency communications capabilities.</p> <p><b>Return on Investment (ROI):</b> The return on investment for this project is realized by the performance, productivity, and effectiveness of public safety services in Fairfax County. Replaced and upgraded technology for these systems is critical to the safety of the public and the public safety personnel they support. They preserve the investments in technology that have been made and allow increased functionality, performance, and reliability to be achieved to facilitate responses to, and management of, emergencies. They mitigate the need for extraordinarily large additions of personnel that would be necessary to provide the same level of service and results without this technology. The increased access to important information, improvements to maintenance and reliability, increased capacity for growth, and enhanced functionality for users now and for the future build upon past investments, responds to critical existing requirements, and sets the stage for the next generation of public safety communications technology.</p>					